

CLIPBOARD

January 2002

Introduction

In an effort to better serve its customers, the Joint Integration Test Facility (JITF) publishes a Quarterly newsletter. The intent is to provide the latest integration testing information, as well as other pertinent information to the Program Management Offices (PMOs), users sites and others throughout the intelligence community.

JITF PMO Comments

This is the first JITF newsletter. We are committed to our mission of improving the quality of software being fielded at DoDIIS sites, a mission shared with Intelligence Mission Application (IMA) PMOs and software developers. By providing this newsletter as a means of sharing information, we hope to come ever closer to our common goal.

We welcome input to this newsletter. Please provide any comments or suggestions regarding topics for future newsletters to any of the individuals listed in the POC information on page 2 of this issue.

ANNOUNCEMENTS:

The DoDIIS JITF Test and Evaluation Procedures are currently undergoing revision. The anticipated release is 31 JAN 02. Effective with the publication of the revised test procedures, 75% of applicable requirements must be met in order to receive a recommendation to proceed to Beta II testing.

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FY01 Test Statistics Highlights

The JITF published a Performance Measurement Plan (PMP) to comply with the Clinger-Cohen Act. The metrics implemented in this plan are used to evaluate the performance of the JITF and the tested application.

One goal of the PMP is to increase the quality of IMAs. These metrics are used to provide the JITF information on how well applications are meeting the currently required 70% passing criteria, meeting the 116 integration requirements, and the impact of findings identified against the requirements.

Following are highlights of the test events that occurred during FY01:

Only three programs failed to meet the current required 70% passing rate out of 32 tested. The majority of test failures were the result of Impact Code 1 findings identified against the following requirements:

DOC-8, DOC-15, DOC-25, INST-10, INST-12, INST-35, INST-36, INST-38, OPS-18, INTSEC-1, INTSEC-3, INTSEC-11 and INTSEC-12.

The following requirements were missed 50% or more of the time:

DOC-7, DOC-8, DOC-19, DOC-20, DOC-22, DOC-25, DOC-26 and DOC-31; INST-8 and INST-35; OPS-10; and INTSEC-11 and INTSEC-12.

NOTE: Not all requirements are applicable to every application tested.

The JITF encourages PMOs to carefully evaluate their application against all integration requirements paying particular attention to the requirements mentioned above and to contact the JITF with any questions.

Other significant results identified during FY01:

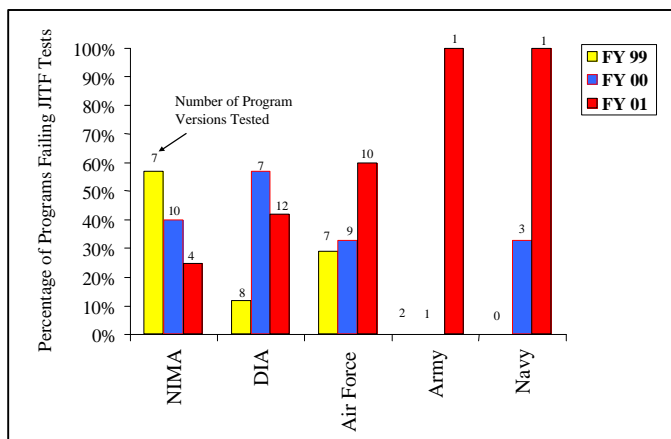
Goals 1 and 2 of the PMP are to maximize customer satisfaction and efficiency. Meeting these two goals helps

to improve customer service, to refine the testing process, and to better facilitate scheduling and the report generation.

One significant fact identified in the PMP is that over 65% of the scheduled test events are rescheduled within 30 days of the start date.

Although not a part of the JITF PMP, other testing results have been gathered to provide data to improve current procedures and implement new procedures. Highlights of these results are as follows:

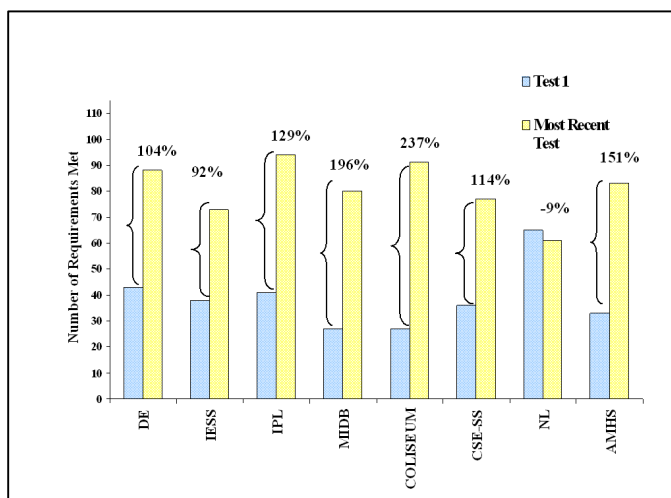
Programs undergoing testing in FY01 incurred an extremely high failure rate. The following chart shows the number of programs failing JITF test and the number of programs tested by agency.



NOTE: The number of test per agency varies.

Despite the failure rate observed in FY01, programs that have been through the process multiple times have demonstrated significant improvement in integration rates.

The following chart shows the percentage of Integration Improvement Percentages of selected Command Critical IMAs. These results are taken from test conducted from October 1995 to December 2001.



New Policies and Procedures

As a result of the increased test failure rate and the high schedule volatility, the JITF has implemented several changes to current policies and procedures.

- Pre-test evaluations - The JITF will schedule and conduct a pre-test prior to the formal test event. While this is not a requirement, it is highly recommended for new programs and programs that have demonstrated difficulty in meeting 70% of the integration requirements or have received Impact Code 1 software findings and document findings in the past. At the completion of the pre-test, a white paper will be provided to the PMO with issues identified. Undergoing a pre-test is no guarantee that the application will successfully complete integration testing, however, it provides a good indication as to whether or not the application is ready for integration testing.
- PMO self-assessments - The PMO is required to submit a self-assessment at the Joint Test Readiness Review (JTRR).
- The JITF has made available the JITF Automated Tool (JAT) to aid the PMOs in conducting a self-assessment. This is the software used by JITF engineers during integration testing. A copy can be obtained from your JITF Liaison
- Documentation - Documents are now due two weeks prior to testing.

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